

# SOLENOID VALVES

Force pilot operated solenoid valves  
GSR Ventiltechnik



## TUOTEKUVAUS

Force pilot operated valves operate from 0 bar and can be installed where directly acting valves are used. However, beyond the range of the latter, they are supplied with smaller solenoids for higher pressures and larger nominal sizes. The actuator of a force pilot operated valve opens a pilot orifice and then lifts the sealing element from its seat directly or supported by the delta p of the operating pressure. The special feature of force pilot operated valves is that the actuator in the pressure range can open and close the valve without using the operating pressure. In the case of pressure differential, usually when opening the valve, the collective energy is used.

## APPLICATION FIELDS

- » Filling systems
- » Steam boiler construction
- » Liquid gas systems
- » Hot water application
- » Heating circuits
- » Power plant technology
- » Petrochemicals
- » Pump equipment
- » Tank systems
- » Water treatment
- » Pipelines
- » Drinking water supply
- » And many applications in general mechanical and process engineering

## MATERIALS

Body with screw socket:

- » Brass
- » Stainless steel

Body with flanged connection:

- » Cast iron EN-GJL-250
- » Cast steel GP240 GH
- » Stainless steel
- » Spheroidal graphite EN-GJS-400-18-LT

Sealing

- » PTFE
- » EPDM
- » FKM
- » PTFE

## MEDIUM TEMPERATURE

-40°C - +80°C

## PRODUCT RANGE

|                                                                                     | Type | Design                            | Connection                         |           | Pressure range | Body material                                                                                                   |
|-------------------------------------------------------------------------------------|------|-----------------------------------|------------------------------------|-----------|----------------|-----------------------------------------------------------------------------------------------------------------|
|                                                                                     |      |                                   | Kiertein                           | Laipoin   |                |                                                                                                                 |
|  | 43   | 2/2-way valve with diaphragm seal | G <sup>1/4</sup> -G2<br>13,5-50 mm | -         | 0-16 bar       | Brass 2.0401<br>Stainless steel 1.4581                                                                          |
|  | 27   | 2/2-way valve with diaphragm      | -                                  | DN-15-300 | 0-16 bar       | Spheroidal graphite<br>EN-GJS-400-19-LT<br>Cast iron EN-GJL-250<br>Stainless steel 1.4581                       |
|  | 35   | 2/2-way valve with piston seal    | G <sup>1/4</sup> -G3<br>13,5-80 mm | -         | 0-40 bar       | Brass 2.0401<br>Stainless steel 1.4581                                                                          |
|  | 37   | 2/2-way valve with piston seal    | -                                  | DN15-50   | 0-40 bar       | Cast iron EN-GJL-250<br>Cast steel GP240 GH<br>Stainless steel 1.4581                                           |
|  | 24   | 2/2-way valve with piston seal    | -                                  | DN65-300  | 0-40 bar       | Spheroidal graphite<br>EN-GJS-400-19LT<br>Cast iron EN-GJL-250<br>Cast steel GP240 GH<br>Stainless steel 1.4581 |